CLAIMS

1.   A drive apparatus for performing a sequential recording for a write-once recording medium,

the drive apparatus comprising:

a recording/reproduction section for performing a recording operation or a reproduction operation for the write-once recording medium;

a drive control section for controlling the recording/reproduction section; and

a memory circuit for storing data to be recorded,

wherein the drive control section performs a process including:

receiving a recording instruction specifying at least data to be recorded;

storing the data to be recorded in the memory circuit;

defining data from a start location of the data stored in the memory circuit to a location corresponding to a next writable address as a first data portion;

defining data from the location corresponding to the next writable address to an end location of the data stored in the memory circuit as a second data portion; and

controlling the recording/reproduction section to record the second data portion before recording the first data portion.

2.   A drive apparatus for performing a sequential recording for a write-once recording medium, wherein

the write-once recording medium includes a spare area and a user data area,

the drive apparatus comprising:

a recording/reproduction section for performing a recording operation or a reproduction operation for the write-once recording medium; and

a drive control section for controlling the recording/reproduction section,

wherein the drive control section performs a process including:

receiving a recording instruction specifying at least a location at which data is to be recorded;

determining whether or not an ECC cluster including the location specified by the recording instruction is replaced by a replacement cluster;

determining whether or not a read-modify-write process is required;

when it is determined that the ECC cluster including the location specified by the recording instruction is replaced by a replacement cluster and the read-modify-write process is required, determining a specific location in the user data area which is close to the recording location of the replacement cluster as a recording location at which the data is to be recorded;

controlling the recording/reproduction section to record the data at the determined recording location.